

08135602.TXT  
SEQUENCE LISTING

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HAMAMOTO, TAKAYOSHI  
NAKAGAKI, TOMOHIRO

<120> ANTIBODY AGAINST VON WILLEBRAND FACTOR CLEAVING ENZYME  
AND ASSAY SYSTEM USING THE SAME

<130> 081356-0237

<140> 10/529,009  
<141> 2005-03-24

<150> PCT/JP03/12280  
<151> 2003-09-25

<150> JP 2002-279924  
<151> 2002-09-25

<150> JP 2002-377569  
<151> 2002-12-26

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<170> PatentIn version 3.5

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<213> Homo sapiens

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35 40 45  
Tyr Leu Ser Pro Gly Ala Pro Leu Lys Gly Arg Pro Pro Ser Pro Gly  
50 55 60  
Phe Gln Arg Gln Arg Gln Arg Gln Arg Ala Ala Gly Gly Ile Leu  
65 70 75 80  
His Leu Glu Leu Leu Val Ala Val Gly Pro Asp Val Phe Gln Ala His  
85 90 95  
Gln Glu Asp Thr Glu Arg Tyr Val Leu Thr Asn Leu Asn Ile Gly Ala  
100 105 110

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Glu Leu Leu Arg Asp Pro Ser Leu Gly Ala Gln Phe Arg Val His Leu  
 115 120  
 Val Lys Met Val Ile Leu Thr Glu Pro Glu Gly Ala Pro Asn Ile Thr  
 130 135  
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 145 150 155  
 Ile Asn Pro Glu Asp Thr Asp Pro Gly His Ala Asp Leu Val Leu  
 165 170  
 Tyr Ile Thr Arg Phe Asp Leu Glu Leu Pro Asp Gly Asn Arg Gln Val  
 180 185  
 Arg Gly Val Thr Gln Leu Gly Gly Ala Cys Ser Pro Thr Trp Ser Cys  
 195 200  
 Leu Ile Thr Glu Asp Thr Gly Phe Asp Leu Gly Val Thr Ile Ala His  
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 Glu Ile Gly His Ser Phe Gly Leu Glu His Asp Gly Ala Pro Gly Ser  
 225 230 235  
 Gly Cys Gly Pro Ser Gly His Val Met Ala Ser Asp Gly Ala Ala Pro  
 245 250 255  
 Arg Ala Gly Leu Ala Trp Ser Pro Cys Ser Arg Arg Gln Leu Leu Ser  
 260 265 270  
 Leu Leu Ser Ala Gly Arg Ala Arg Cys Val Trp Asp Pro Pro Arg Pro  
 275 280 285  
 Gln Pro Gly Ser Ala Gly His Pro Pro Asp Ala Gln Pro Gly Leu Tyr  
 290 295 300  
 Tyr Ser Ala Asn Glu Gln Cys Arg Val Ala Phe Gly Pro Lys Ala Val  
 305 310 315 320  
 Ala Cys Thr Phe Ala Arg Glu His Leu Asp Met Cys Gln Ala Leu Ser  
 325 330 335  
 Cys His Thr Asp Pro Leu Asp Gln Ser Ser Cys Ser Arg Leu Leu Val  
 340 345 350  
 Pro Leu Leu Asp Gly Thr Glu Cys Gly Val Glu Lys Trp Cys Ser Lys  
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Gly Arg Cys Arg Ser Leu Val Glu Leu Thr Pro Ile Ala Ala Val His  
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Gly Arg Trp Ser Ser Trp Gly Pro Arg Ser Pro Cys Ser Arg Ser Cys  
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Gly Gly Gly Val Val Thr Arg Arg Arg Gln Cys Asn Asn Pro Arg Pro  
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Ala Phe Gly Gly Arg Ala Cys Val Gly Ala Asp Leu Gln Ala Glu Met  
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Cys Asn Thr Gln Ala Cys Glu Lys Thr Gln Leu Glu Phe Met Ser Gln  
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Gln Cys Ala Arg Thr Asp Gly Gln Pro Leu Arg Ser Ser Pro Gly Gly  
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Ala Ser Phe Tyr His Trp Gly Ala Ala Val Pro His Ser Gln Gly Asp  
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Ala Leu Cys Arg His Met Cys Arg Ala Ile Gly Glu Ser Phe Ile Met  
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Lys Arg Gly Asp Ser Phe Leu Asp Gly Thr Arg Cys Met Pro Ser Gly  
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Pro Arg Glu Asp Gly Thr Leu Ser Leu Cys Val Ser Gly Ser Cys Arg  
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Cys Gln Val Cys Gly Gly Asp Asn Ser Thr Cys Ser Pro Arg Lys Gly  
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 565 570 575

Thr Pro Asn Leu Thr Ser Val Tyr Ile Ala Asn His Arg Pro Leu Phe  
 580 585 590

Thr His Leu Ala Val Arg Ile Gly Gly Arg Tyr Val Val Ala Gly Lys  
 595 600 605

Met Ser Ile Ser Pro Asn Thr Thr Tyr Pro Ser Leu Leu Glu Asp Gly  
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610

615

Arg Val Glu Tyr Arg Val Ala Leu Thr Glu Asp Arg Leu Pro Arg Leu  
625 630 635 640

Glu Glu Ile Arg Ile Trp Gly Pro Leu Gln Glu Asp Ala Asp Ile Gln  
645 650 655

Val Tyr Arg Arg Tyr Gly Glu Glu Tyr Gly Asn Leu Thr Arg Pro Asp  
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Ile Thr Phe Thr Tyr Phe Gln Pro Lys Pro Arg Gln Ala Trp Val Trp  
675 680 685

Ala Ala Val Arg Gly Pro Cys Ser Val Ser Cys Gly Ala Gly Leu Arg  
690 695 700

Trp Val Asn Tyr Ser Cys Leu Asp Gln Ala Arg Lys Glu Leu Val Glu  
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Thr Val Gln Cys Gln Gly Ser Gln Gln Pro Pro Ala Trp Pro Glu Ala  
725 730 735

Cys Val Leu Glu Pro Cys Pro Pro Tyr Trp Ala Val Gly Asp Phe Gly  
740 745 750

Pro Cys Ser Ala Ser Cys Gly Gly Gly Leu Arg Glu Arg Pro Val Arg  
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Cys Val Glu Ala Gln Gly Ser Leu Leu Lys Thr Leu Pro Pro Ala Arg  
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Cys Arg Ala Gly Ala Gln Gln Pro Ala Val Ala Leu Glu Thr Cys Asn  
785 790 795 800

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Thr Ser Ala Gly Gly Ala Gly Leu Ala Leu Glu Asn Glu Thr Cys Val  
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Pro Gly Ala Asp Gly Leu Glu Ala Pro Val Thr Glu Gly Pro Gly Ser  
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Val Asp Glu Lys Leu Pro Ala Pro Glu Pro Cys Val Gly Met Ser Cys  
850 855 860

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Pro Ser Pro Trp Gly Ser Ile Arg Thr Gly Ala Gln Ala Ala His Val  
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Trp Thr Pro Ala Ala Gly Ser Cys Ser Val Ser Cys Gly Arg Gly Leu  
 900 905 910

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Gln Glu Glu Leu Cys Gly Leu Ala Ser Lys Pro Gly Ser Arg Arg Glu  
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Val Cys Gln Ala Val Pro Cys Pro Ala Arg Trp Gln Tyr Lys Leu Ala  
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Ala Cys Ser Val Ser Cys Gly Arg Gly Val Val Arg Arg Ile Leu Tyr  
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Cys Ala Arg Ala His Gly Glu Asp Asp Gly Glu Glu Ile Leu Leu Asp  
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Thr Gln Cys Gln Gly Leu Pro Arg Pro Glu Pro Gln Glu Ala Cys Ser  
 995 1000 1005

Leu Glu Pro Cys Pro Pro Arg Trp Lys Val Met Ser Leu Gly Pro  
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Cys Val Gln Leu Asp Gln Gly Gln Asp Val Glu Val Asp Glu Ala  
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Ile Ala Asp Cys Thr Tyr Arg Trp His Val Gly Thr Trp Met Glu  
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Cys Ser Val Ser Cys Gly Asp Gly Ile Gln Arg Arg Arg Asp Thr  
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Cys Leu Gly Pro Gln Ala Gln Ala Pro Val Pro Ala Asp Phe Cys  
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Gln His Leu Pro Lys Pro Val Thr Val Arg Gly Cys Trp Ala Gly  
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 Ser Ser Ala Cys Gly Arg Gln His Leu Glu Pro Thr Gly Thr Ile  
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 Asp Met Arg Gly Pro Gly Gln Ala Asp Cys Ala Val Ala Ile Gly  
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 Arg Pro Leu Gly Glu Val Val Thr Leu Arg Val Leu Glu Ser Ser  
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 Thr Trp Arg Lys Met Cys Arg Lys Leu Leu Asp Met Thr Phe Ser  
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 Ser Lys Thr Asn Thr Leu Val Val Arg Gln Arg Cys Gly Arg Pro  
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 Gly Gly Gly Val Leu Leu Arg Tyr Gly Ser Gln Leu Ala Pro Glu  
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 Thr Phe Tyr Arg Glu Cys Asp Met Gln Leu Phe Gly Pro Trp Gly  
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 Glu Ile Val Ser Pro Ser Leu Ser Pro Ala Thr Ser Asn Ala Gly  
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 Gly Cys Arg Leu Phe Ile Asn Val Ala Pro His Ala Arg Ile Ala  
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 Ile His Ala Leu Ala Thr Asn Met Gly Ala Gly Thr Glu Gly Ala  
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Asn Ala Ser Tyr Ile Leu Ile Arg Asp Thr His Ser Leu Arg Thr  
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Thr Ala Phe His Gly Gln Gln Val Leu Tyr Trp Glu Ser Glu Ser  
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Ser Gln Ala Glu Met Glu Phe Ser Glu Gly Phe Leu Lys Ala Gln  
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